

WE CLAIM:

1. A multimedia adapter to an acoustic stethoscope comprised of:
 - (a) a microphone mounted in the chest piece or tubing for conversion of sounds heard by an operator into an electrical signal and transmission of said electrical signal to a recording device,
 - (b) a speaker mounted in the chest piece or tubing for playback of sounds from the recording device,
 - (c) a wired or wireless connector from said microphone and said speaker to the recording device, and
 - (d) means to hold said microphone, said speaker, and said connector within said acoustic stethoscope,
whereby said multimedia adapter will enable said acoustic stethoscope to be used for sound recording and playback.
2. The multimedia adapter of claim 1 wherein said microphone, speaker, and connector are mounted inside a chest piece attached to said acoustic stethoscope.
3. The multimedia adapter of claim 1 wherein said microphone, speaker, and connector are mounted inside a housing incorporated into the tubing of said acoustic stethoscope.
4. The microphone of claim 1 selected from a group consisting of a condenser microphone, an electret microphone, and an accelerometer.
5. The wireless connector of claim 1 wherein wireless protocol selected from a group consisting of a bluetooth protocol and a Wi-Fi protocol.
6. The bluetooth protocol of claim 5 wherein a headset profile is used to transmit data to and from the recording device.
- 25 7. The multimedia adapter of claim 1 wirelessly connected to the recording device wherein an on/off button located on said multimedia adapter is used to turn wireless connection to said recording device on and off.

8. The recording device of claim 1 selected from a group consisting of a tape recorder, a digital recorder, a personal computer, a PDA, a handheld computer, and a tablet PC.
9. The recording device of claim 1 visualizing the sound in both time and frequency domains.

5 10. The recording device of claim 1 analyzing normal and abnormal sounds.

11. The recording device of claim 1 playing back amplified and filtered sound.